

Mouse Plasma membrane calcium-transporting ATPase 1 (ATP2B1) ELISA Kit | ATP2B1 elisa kit

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CATALOG #
AAA27371

REACTIVITY
Mouse

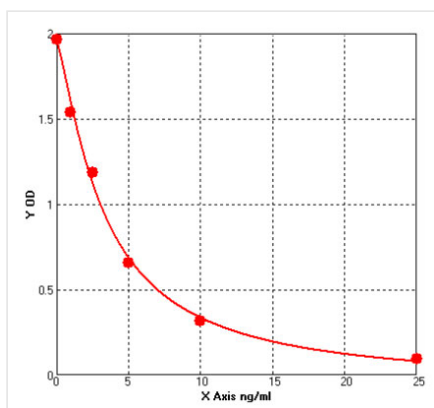
PRODUCT SYNONYMS

Plasma membrane calcium-transporting ATPase 1 (ATP2B1); Mouse Plasma membrane calcium-transporting ATPase 1 (ATP2B1) ELISA Kit; ATP2B1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP2B1. No significant cross-reactivity or interference between ATP2B1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATP2B1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP2B1 elisa kit	Principle of the Assay: ATP2B1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATP2B1 antibody and an ATP2B1-HRP conjugate. The assay sample and buffer are incubated together with ATP2B1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ATP2B1 concentration since ATP2B1 from samples and ATP2B1-HRP conjugate compete for the anti-ATP2B1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATP2B1 from the sample, fewer sites are left to bind ATP2B1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATP2B1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATP2B1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ATP2B1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ATP2B1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255945
NCBI GeneID	490
NCBI Accession #	NP_001673.2
NCBI GenBank Nucleotide #	NM_001682.2
Molecular Weight	130,617 Da
NCBI Official Full Name	plasma membrane calcium-transporting ATPase 1 isoform 1b
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, plasma membrane 1
NCBI Official Symbol	ATP2B1
NCBI Official Synonym Symbols	PMCA1; PMCA1kb
NCBI Protein Information	plasma membrane calcium-transporting ATPase 1; plasma membrane calcium pump
UniProt Protein Name	Plasma membrane calcium-transporting ATPase 1
UniProt Gene Name	ATP2B1
UniProt Synonym Gene Names	PMCA1; PMCA1
UniProt Entry Name	AT2B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/plasma-membrane-calcium-transporting-atpase-1-atp2b1/27371>